

Cipher - 5

⑤ Cipher. [493 letters].

most repeated letter  $R \approx e.?$

first single letter is not ~~A~~ as

NL  $\rightarrow$  i no word ending with i.

so  $L$  is  $A$ .

not working  $L$  must be  $I$ .

Not Substitution or appre.

not working frequency / direct substitution.

$$R - 40 \approx e.$$

E - 35-173

4-33

V - 31

I - 29

W - 26

T-24

9-23

x-23

L-22

M-20

B - 19

D-17

9-17

K-16

A-15

p-15

S-14

U-14

N-13

F-11

0-10

4-9

J-7

$$2 - 7$$

C-3.

[illegible]

8 I 1802244 13 145  
Saw gpc -> Mem  
2 SNP S Q E B A X.  
drawing.  
found.

11 18 13 15 18 16 4 124 234 2522

[illegible]

~~2~~ ~~13~~ ~~23~~ ~~3~~

Maybe Key is 5.  
So break word to 5 letters.

$$L_{SNPS} / \emptyset EBYX / EZ^{WVD} / W^V GKI / OEPEU.$$

Some  
key

0  
3  
6  
9  
✓

## Cipher-5.

D. A. V. T. E. D. A. N. T. E.  
3.0.13.19.4 3.0.13.19.4



# ① Group 1.

e  $H \rightarrow 12$  might be e  
 a  $D \rightarrow 11$   
 s  $V \rightarrow 10$   
 t  $W \rightarrow 9$   
 o  $L \rightarrow 8$   
 h  $K \rightarrow 7$   
 i  $L \rightarrow 7$   
 f  $I \rightarrow 5$   
 n  $Q \rightarrow 5$   
 r  $V \rightarrow 4$   
 m, u  $P, X \rightarrow 3$   
 y,  $B, O, Z \rightarrow 2$   
 F, N, S, Y  $\rightarrow 1$

H might be e.

e  $\rightarrow 4$   
 + Key 3  
 H  $\rightarrow 7$

1st key might be (3)  
 "D"  
 Key is D  $\rightarrow 3$

So first groups decryption is

## ② Group 2.

21 letters  
 E  $\rightarrow 16$ , T  $\rightarrow 16$ , I  $\rightarrow 7$ , A, D, H, R  $\rightarrow 6$ , O  $\rightarrow 5$ , P, S  $\rightarrow 4$   
 B  $\rightarrow 3$ , N, V, W  $\rightarrow 3$ , F, M, U, Y  $\rightarrow 2$ , G, K, L  $\rightarrow 1$

E = e.  
 Key might be A  $\rightarrow 00$

①

Group-3.

Rae.

e → 4 ; R → 17.

$$= 4 - 17$$

$$= -13 \text{ mod } 26$$

$$= -13 + 26$$

$$= 13$$

$$13 \Rightarrow N$$

Key is N.

t u v w x y z a  
s p q r s t u v w x y z a  
b  
0

D

P

C

B

A

m z

y

x

w

v

u

t

s

r

q

p

o

n

m

l

k

j

i

h

g

f

e

d

c

d

Re.

f

g



② Group 4.

M → 11

W → 11

B, G, H, X → 8

E, K, L, P → 5 ; A, R, T → 4

F, U, V → 3 ; S → 2 ; O, Y, Z → 1

M/W = e.X

not working M is not e or W is not e.

decrypting till now.

i <sup>a/w</sup> sa <sup>might be</sup> ne o th em aw i  
2 SNP SQE BY XKEZ WVDWVGK

for rd t mb r e me th  
IOEPEUD GH IPBETGH MR PMWH

s- rea ffe ion at  
FH KUENM EIFRVXLOA, MLDT

→ Sad not exact word X. PAR STUVW  
→ Saw might be correct V N i vwx y z a b c d e X

15 22. M k f Y  
30, P is w. LS hA  
K b i B  
J a  
I p  
H o  
G n m l k j c  
F E D

③ Group 5:

key word  $\rightarrow E^n$ .

$$x = t.$$
$$E = a.$$

Handwritten notes on lined paper:

stuv wxyz a  
y z A B C D E F b  
g c  
h d  
i e  
j f  
k g  
l h  
m i  
n j  
o k  
p l  
q m  
r n  
s o  
t p  
u q  
v r  
w s  
x t  
y u  
z v

## Message.

I saw one of them drawing forward to embrace me with so great affection, that it moved me to do the like. O shades, empty save in aspect! three times I clasped my hands behind it, and as often returned with them unto my breast. With wonder, I believe, I pain myself; whereat the shade smiled and drew back, and I, following it, pressed forward. gently it said, that I should pause; then I knew who it was, and I prayed it that it would stay to speak with me a little. it replied to me: "even as I loved thee in the mortal body, so loosed from it I love thee; therefore I stay; but wherefore art thou going?"

dante's the divine comedy - purgatory.